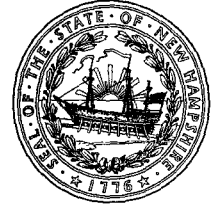




The State of New Hampshire  
*Department of Environmental Services*



Michael P. Nolin  
Commissioner

March 9, 2005  
**Letter of Deficiency**  
DSP#05-002

Ragged Mountain Fish & Game Club  
Treasurer-Board of Directors  
P.O. Box 62  
Andover, NH 03216

RE: Cole Pond Dam #008.11, Andover

To Whom It May Concern:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that play a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on December 9, 2004. During this visual inspection and/or file review, the following deficiencies were observed:

1. The bar rack was clogged with approximately 2 feet of debris raising the water level within a few inches of overtopping the dam;
2. There is tree and brush growth located at the upstream left end of the dam (i.e. at the left end of the wood walkway);
3. The hydrologic analysis indicates that the dam does not have adequate discharge capacity to pass the 50 year event with a minimum of 1 foot of freeboard. The bar rack is contributing to the lack of spillway discharge capacity as it reduces the effective spillway length by 8.25 feet;
4. According to the design plans there are twin 12 inch plugs containing eye bolts. The operation and maintenance plan (O&M) does not contain a procedure to remove the plugs; and
5. The O&M that is currently on file needs to be reviewed and updated.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

**May 1, 2005:**

1. Remove the bar rack from the entire length of the spillway;
2. Remove the trees and brush located at the left upstream end of the wooden walkway;

**June 1, 2005:**

3. Locate the upstream end of the low level outlet pipes and devise a method for removing the plugs in the event of an emergency. DES suggest locating the plugs and attaching a chain or cable to them with a locator buoy; and
4. Review and update the O&M plan. An item should be added explaining the procedure to remove the low level outlet plugs.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. Please call or write to our office if the repairs are completed ahead of the aforementioned schedule so that DES may schedule a follow-up inspection. Unless notified otherwise, DES will conduct the follow-up inspection on or after the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the bottom of the previous page.

Sincerely,

**COPY**

Jeffrey M. Blaney, P.E.  
Dam Safety Engineer

Attachments Copy of O&M plan on file, DB8, DB13, Sketch Illustrating Deficiencies  
cc: Gretchen R. Hamel, Legal Unit Administrator ✓  
Town of Andover  
Certified # 7000 1670 0000 0588 5960  
JMB/was/h:/safety/wendy/lod/008-11lod.doc